

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Sreenivasan, Sidlgata V

App. No.:

10/706,537

GPAU:

2812

Filing Date:

11/12/2003

Examiner:

Andre C. Stevenson

Dkt. No.:

P110-52-03

Conf. No.:

6885

For: Formation of Conductive Templates Employing Indium Tin

Oxide

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure and pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98. The undersigned brings the patents, publications, applications or other information identified in the attached:

\boxtimes	Form(s)	PTO/SB/08A	and/or	PTO/SB/08B	or	PTO/1449
	Other:					

to the Examiner's attention in the above-identified application.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:

before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

Applicants do not believe that any additional fees are due, but if the Commissioner believes additional fees are due, the

Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502650.

CERTIFICATE OF TRANSMISSION
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as either First Class Mail or Express Mail, in an envelope addressed to the

Commissioner for Patents.

Signed: Autrina Prati

Date: 9-16-05

Respectfully Submitted,

Michael D. Carter Reg. No. 56,661 Registered Patent Agent Legal Department Molecular Imprints, Inc. P.O. Box 81536 Austin, TX 78758-1536 (512) 339-7760

(512) 491-8918 (fax)

PTO/SB/08A (08-03)
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A TRADE DESTITUTE	for form 1449A	/PTO		Complete if Known		
	NFORMATION STATEMENT			APPLICATION NUMBER	10/706,537	
· ·	STATEMENT	DIAFFER	ZANI	FILING DATE	11/12/2003	
	use as many shee	ets as necessai	n/)	FIRST NAMED INVENTOR	Sreenivasan et al.	
				Group Art Unit	2812	
Sheet	1	of	6	Examiner Name	Stevenson, Andre C.	
				Attorney Docket Number	P110-52-03	

	-4.			U.S. PATENT DOCUMEN	TS	
Examiner Initials*	Cite No.1	U.S. Patent Do	cument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	-	T	T	T	,	T
	D1	4,959,252		Bonnebat et al.	9/25/1990	
	D2	5,259,926		Kuwabara et al.	9/9/1993	
	D3	5,348,616		Hartman et al.	9/20/1994	
	D4	5,512,131		Kumar et al.	4/30/1996	
	D5	5,545,367		Bae et al.	8/13/1996	
	D6	5,776,748		Singhvi et al.	7/7/1998	
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	D11	4,201,800		Alcorn et al.	5/6/1980	
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-	D16	5,956,216		Chou	9/21/1999	
	D17	5,820,769		Chou	10/13/1998	

Examiner		Date
Signature	·	Considered

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Substitute	for form 1449/	VPTO		Complete if Known		
	NFORMATIO STATEMENT			APPLICATION NUMBER	10/706,537	
	MICHICIA	DIAFFLI	CANI	FILING DATE	11/12/2003	
(0	use as many she	ets as necessa	rry)	FIRST NAMED INVENTOR	Sreenivasan et al.	
GI				Group Art Unit	2812	
Sheet	2	of	6	Examiner Name	Stevenson, Andre C.	
		·		Attorney Docket Number	P110-52-03	

				U.S. PATENT DOCUMEN	TS	
Examiner Initials*	Cite No.1	U.S. Patent I	Occument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	D18	6,849,558	B2	Schaper	2/1/2005	
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Substitute for form 1449A/PTO		Complete if Known		
INFORMATION D	ISCLOSURE	APPLICATION NUMBER	10/706,537	
STATEMENT BY	APPLICANT	FILING DATE	11/12/2003	
		FIRST NAMED INVENTOR	Sreenivasan et al.	
(use as many sheets as	s necessary)	Group Art Unit	2812	
Sheet 3	of 6	Examiner Name	Stevenson, Andre C.	
Sheet	01 9	Attorney Docket Number	P110-52-03	

				FOREIGN	PATENT DOCUMENTS			
Examiner Initials*	Cite No.1	Office 3	Foreign Patent Docu Number ⁴	mentBG Kind Code ⁵ (if knBown)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	D19	wo	87/02935		Long et al.	5/21/1987		
	D20	JP	1-196749		Matsumoto et al.	8/8/1989		
	D21	JP	02192045		Mineo et al.	7/27/1990		
	D22	wo	01/90816		Heidari	11/29/2001		
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,	D27	JP	3-90345		Nobuyoshi et al.	4/16/1991		
	D28	JP	9-278490		Toru et al.	10/28/1997		
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Examiner Signature	Date Considered	

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Substitute fo	form 1449A/F	то		Comple	Complete if Known		
*****	ORMATION ATEMENT B			APPLICATION NUMBER	10/706,537		
31.	AICIVIEIVI D	1 APPLICA	AIV I	FILING DATE	11/12/2003		
(use	as many sheets	as necessary)		FIRST NAMED INVENTOR	Sreenivasan et al.		
				Group Art Unit	2812		
Sheet	4	of	6	Examiner Name	Stevenson, Andre C.		
				Attorney Docket Number	P110-52-03		

OTHER PRI	OR ART -	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	D29	FEYNMAN, There's Plenty of Room at the Bottom, 12/1/1959	
	D30	XIA ET AL., Soft Lithography, Angew. Chem. Int. Ed., pp. 550 - 575 1/1/1998	
	D31	KRUG ET AL., Fine Patterning of Thin Sol-gel Films, Journal of Non-Crystalline Solids 147 & 148, pp. 447 - 450 1/1/1992	
	D32	NGUYEN, Asymmetric Fluid-Structure Dynamics in Nanoscale Imprint Lithography, The University of Texas at Austin, pp. 1 - 111 8/1/2001	
_	D33	Abstract of Japanese Patent 02-92603, 8/12/2004	
	D34	Abstract of Japanese Patent 02-24848, 1/26/1990	
	D35	SOWAH, Diamond used to Break the Mould, Retrieved 9/2/2003 from URL: http://www.electronictimes.com/story/OEG20020918S0003 9/18/2002	
	D36	Abstract of Japanese Patent 61-040845, 2/27/1986	
	D37	Abstract of Japanese Patent 02-248480, 10/4/1990	

Examiner	Date	
Signature	Considered	

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STATEMENT BY APPLICANT			ANI	FILING DATE	11/12/2003
(use as many sheets as necessary))	FIRST NAMED INVENTOR	Sreenivasan et al.
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				Attorney Docket Number	P110-52-03

<u> </u>	-1	- NON PATENT LITERATURE DOCUMENTS	1
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		T	
	D38	Abstract of Japanese Patent 3-090345, 4/16/1991	
	D39	Abstract of Japanese Patent 09-278490, 10/28/1997	
	D40	Abstract of Japanese Patent 61-040845, 2/27/1986	
	D41	Abstract of Japanese Patent 02-248480, 10/4/1990	
	D42	GEHOSKI ET AL., Indium Tin Oxide Template Development for Step and Flash Imprint Lithgraphy, SPIE Microlithography Conference 2/1/2005	
	D43	DAUKSHER ET AL., Repair of Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 22(6), pp. 3306-3311 11/1/2004	
	D44	NORDQUIST ET AL., Image Placement Issues for ITO-based Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B, pp. 695-701 3/1/2004	
	D45	DAUKSHER ET AL., Step and Flash Imprint Lithography Template Characterization, from an Etch Perspective, J. Vac. Sci. Technol. B 21(6), pp. 2771-2776 11/1/2003	
	D46	RESNICK ET AL., Imprint Lithography: Lab Curiosity or the Real NGL?, SPIE Microlithography Conference 2/1/2003	

Examiner	Date
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				APPLICATION NUMBER	10/706,537
			-1141	FILING DATE	11/12/2003
)	FIRST NAMED INVENTOR	Sreenivasan et al.
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OTHER PRI	OR ART -	NON PATENT LITERATURE DOCUMENTS	
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	D47	MANCINI ET AL., Analysis of Critical Dimension Uniformity for Step and Flash Imprint Lithography, SPIE Microlithography Conference 2/1/2003	
	D48	MANCINI ET AL., Hydrogen Silsesquioxane for Direct Electron-Beam Patterning of Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 20(6), pp. 2896-2901 11/1/2002	
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	D50	NORDQUIST ET AL.Q, Critical Dimension and Image Placement Issues for Step and Flash Imprint Lithography Templates, 22nd Annual BACUS Symposium on Photomask Technology, Monterey, CA 9/1/2002	
	D51	BAILEY ET AL., Template Fabrication Schemes for Step and Flash Imprint Lithography, Microelectronic Engineering, 61-62, pp. 461-467 1/1/2002	
	D52	RESNICK ET AL., High Resolution Templates for Step and Flash Imprint Lithography, SPIE Microlithography Conference 2/1/2002	
	D53	RESNICK ET AL., New Methods for Fabricating Step and Flash Imprint Lithography Templates, NIST-SPIE Conference on Nanotechnology 9/1/2001	
	<u> </u>		<u> </u>

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